

README: Fake File Detector

Overview

A Python tool to detect fake files by verifying magic numbers, catching disguised executables (e.g., .exe as .mp4).

System Requirements

- Hardware: 1 GHz CPU, 2 GB RAM, 500 MB storage
- Software: Windows 10/11 or Ubuntu 20.04+, Python 3.8+

Installation

1. git clone <https://github.com/karthik2635h/Fake-File-Detector>([link](#))
2. python detector.py

Dependencies

- Python packages: os, binascii (built-in, no install needed)
- External tools: None

Usage

- Run: python3 detector.py
- Output: A scan report will be generated in the same folder.

Magic Numbers

```
magic_numbers = {  
    '.jpg': 'ffd8',  
    '.png': '89504e47',  
    '.exe': '4d5a',  
    '.pdf': '25504446',  
    '.txt': 'efbbbf',  
    '.mp4': '66747970'  
}
```

Testing

- Use test files (e.g., legit .mp4, fake .mp4) to verify detection.

Contact

- For issues, email karthik2635h@gmail.com or raise a [GitHub issue](#).